Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Wed, 25 Feb 2015 ***Failure to show all work will result in LaSalle.***

**Geometry**

**Homework**



***Find ALL missing side lengths for #1-7***

|  |  |
| --- | --- |
| 1) | 2) |
| 3) The triangle below is a right isosceles triangle. | 4) |
| 5)    *C* | 6) |
| 7) You are using wood to build a pyramid-shaped skateboard ramp. You want each ramp surface to incline at an angle of 30° and the maximum height to be 56 centimeters as shown. (Note that side “b” is a line in both triangles.) | Use the relationships shown in the diagram to determine the approximate lengths of…  *a:*  *b:*  *c:*  *d:* |
| 8) The side lengths of a triangle are given. Determine whether it is a *45°-45°-90° triangle,* a *30°-60°-90° triangle,* or *neither.*  a. 5, 10,  b. 6, 6, | |

**ACT-style questions. Continue showing your work, including drawing & labeling a sketch if none is given.**

|  |  |
| --- | --- |
| 11) | 12) |
| 9) | 10) |

***Spiraled Review***

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| --- | --- |
|  | 1. Find the value of x and y |
|  |  |